

Freeform Search

Database:	<div style="border: 1px solid black; padding: 5px;"> US Pre-Grant Publication Full-Text Database US Patents Full-Text Database US OCR Full-Text Database EPO Abstracts Database JPO Abstracts Database Derwent World Patents Index IBM Technical Disclosure Bulletins </div>
Term:	<div style="border: 1px solid black; padding: 5px;"> mucoadhesive same (5\$saccharide\$% or (chondroitin or (hyaluronic adj acid) or dermatan or keratan or heparin or acemannan)) </div>
Display:	<div style="border: 1px solid black; padding: 2px;">20</div> Documents in Display Format: <div style="border: 1px solid black; padding: 2px;">-</div> Starting with Number <div style="border: 1px solid black; padding: 2px;">1</div>
Generate: <input type="radio"/> Hit List <input checked="" type="radio"/> Hit Count <input type="radio"/> Side by Side <input type="radio"/> Image	

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DATE: Sunday, October 01, 2006
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<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
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<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L16</u>	mucoadhesive same (5\$saccharide\$% or (chondroitin or (hyaluronic adj acid) or dermatan or keratan or heparin or acemannan))	142	<u>L16</u>
<u>L15</u>	L13 same (nasal\$5)	94	<u>L15</u>
<u>L14</u>	L13 same (nasal\$%)	0	<u>L14</u>
<u>L13</u>	xylometazoline	857	<u>L13</u>
<u>L12</u>	L11 and (polysaccharide same (chondroitin or (hyaluronic adj acid) or dermatan or keratan or heparin or acemannan))	107	<u>L12</u>
<u>L11</u>	L9 and polysaccharide	449	<u>L11</u>
<u>L10</u>	L9 and (muco\$7 near polysaccharide)	0	<u>L10</u>
<u>L9</u>	L8 and (xylometazoline or naphazoline or fenoxazoline or oxymetazoline or tetrahydrozoline or tramazoline or phenylephrine or ephedrine or epinephrine)	1824	<u>L9</u>
<u>L8</u>	nasal same (pharmaceutical or therapeutic or medicinal or medical)	23684	<u>L8</u>
<i>DB=PGPB,USPT; PLUR=YES; OP=OR</i>			
<u>L7</u>	("20010051613" "4402949" "5876744").PN.	3	<u>L7</u>
<u>L6</u>	Urbano near Salvi	1	<u>L6</u>

L5 Giovanna near Marzano

1 L5

L4 Isabelle near Rault

6 L4

DB=USPT; PLUR=YES; OP=OR

L3 5900247.pn.

1 L3

L2 5900247.pn.

1 L2

L1 5672356.pn.

1 L1

END OF SEARCH HISTORY



Day : Sunday
Date: 10/1/2006

Time: 18:12:08

Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
Additionally, enter the **first few letters** of the Inventor's First name.

Last Name

First Name

Rault

Isabelle

Search

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Day : Sunday
Date: 10/1/2006

Time: 18:12:08

Inventor Name Search

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Last Name

First Name

Salvi

Urbano

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Inventor Name Search

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Additionally, enter the **first few letters** of the Inventor's First name.

Last Name**First Name**

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(FILE 'HOME' ENTERED AT 20:17:09 ON 01 OCT 2006)

FILE 'CAPLUS, MEDLINE, USPATFULL' ENTERED AT 20:17:29 ON 01 OCT 2006

L1 1139 S XYLOMETAZOLINE
L2 217 S L1 (P) NASAL?
L3 14 S L2 AND MUCOADHESIVE
L4 13 DUPLICATE REMOVE L3 (1 DUPLICATE REMOVED)

FILE 'STNGUIDE' ENTERED AT 20:19:15 ON 01 OCT 2006

FILE 'CAPLUS, MEDLINE, USPATFULL' ENTERED AT 20:20:23 ON 01 OCT 2006

L5 299 S MUCOADHESIVE (P) (?SACCHARIDE? OR HEPARIN OR CHONDROITIN OR H
L6 41 S L5 (P) NASAL?
L7 0 S L6 (P) DECONGESTANT
L8 0 S L6 (P) XYLOMETAZOLINE
L9 0 S L6 AND XYLOMETAZOLINE
L10 36 DUPLICATE REMOVE L6 (5 DUPLICATES REMOVED)

L10 ANSWER 10 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN

TI Trends in muco-adhesive analysis

AB A review. The last 2 decades has seen progress in the development of potential mucoadhesive carriers for assisting with the oral and nasal administration of drugs based around the polysaccharide chitosan. This progress was underpinned by the development of mol. assays for mucoadhesiveness focusing on the mucin component of mucus. The authors review the developments based around mol. or biophys. analyses and consider how the issue of product stability is now being addressed. Although the targets are pharmaceutical, the technol. could be extended to the encapsulation and release of nutrients.

ACCESSION NUMBER: 2006:368181 CAPLUS

DOCUMENT NUMBER: 144:439670

TITLE: Trends in muco-adhesive analysis

AUTHOR(S): Harding, Stephen E.

CORPORATE SOURCE: NCMH Laboratory, University of Nottingham, Sutton Bonington, LE12 5RD, UK

SOURCE: Trends in Food Science & Technology (2006), 17(5), 255-262

CODEN: TFTEEH; ISSN: 0924-2244

PUBLISHER: Elsevier Ltd.

DOCUMENT TYPE: Journal; General Review

LANGUAGE: English

REFERENCE COUNT: 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 11 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN

TI A new nasal drug delivery system for diazepam using natural mucoadhesive polysaccharide obtained from tamarind seeds

AB A new nasal drug delivery system of diazepam has been developed with a natural mucoadhesive agent from Tamarindus indica L. The mucoadhesive strength, viscosity and gelling property of this natural mucoadhesive agent was found to be higher in comparison to synthetic polymers, hydroxy Pr Me cellulose (HPMC) and carbopol 934 which are conventionally used for similar purpose. In vitro drug release characteristic through franz-diffusion cell using excised bovine nasal membrane was also found to be better in comparison to the above synthetic polymers. This patient friendly, needle free dosage form may replace the diazepam injections in future.

ACCESSION NUMBER: 2006:953030 CAPLUS

TITLE: A new nasal drug delivery system for diazepam using natural mucoadhesive polysaccharide obtained from tamarind seeds

AUTHOR(S): Datta, Rimi; Bandyopadhyay, Amal K.

CORPORATE SOURCE: Department of Pharmaceutical Technology, Jadavpur University, Kolkata, 700037, India

SOURCE: Saudi Pharmaceutical Journal (2006), 14(2), 115-119

CODEN: SPJOEM; ISSN: 1319-0164

PUBLISHER: Saudi Pharmaceutical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 28 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 3

TI Mucoadhesive interactions

AB A review. The adhesive properties of certain types of biopolymer can be used to increase the residence time of orally or nasally administered drugs. A fuller understanding of the mol. processes underpinning such mucoadhesive phenomena will help in the optimal design of delivery systems. The interactions involved are, however, less well defined compared with those often encountered in protein-recognition phenomena: mucoadhesive interaction products

can be very large and polydisperse, so to probe them the authors need to adopt a different strategy to those used by protein biochemists. Reviewed herein is some of the recent work at physiol. or near-physiol. solution conditions involving mol. hydrodynamics - with anal. ultracentrifugation and SEC-MALLs (size-exclusion chromatog. coupled to multi-angle laser light scattering) as the cornerstones - reinforced by viscometry and the imaging probes of electron microscopy and atomic force microscopy. These clearly demonstrate the mucoadhesive properties of both an unusual cationic protein [Deacon, Davis, Waite and Harding (1998) Biochem. 37 , 14108-14112] and more significantly chitosan polysaccharides of varying degrees of charge/acetylation as a function of solution conditions, and are providing the platform for the construction of stable formulations.

ACCESSION NUMBER: 2003:748060 CAPLUS
DOCUMENT NUMBER: 140:292283
TITLE: Mucoadhesive interactions
AUTHOR(S): Harding, S. E.
CORPORATE SOURCE: School of Biosciences, National Centre for
Macromolecular Hydrodynamics, University of
Nottingham, Sutton Bonington, LE12 5RD, UK
SOURCE: Biochemical Society Transactions (2003), 31(5),
1036-1041
CODEN: BCSTB5; ISSN: 0300-5127
PUBLISHER: Portland Press Ltd.
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English
REFERENCE COUNT: 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Liquid mucoadhesive pharmaceutical compositions containing
 xylometazoline
 AB The present invention relates to liquid mucoadhesive
 pharmaceutical composition to be applied to the mucosal epithelium with
 prolonged and improved coating and protection effect. The composition can be
 used as oral, ocular, nasal, rectal, vaginal and periodontal
 pharmaceutical preps. The liquid pharmaceutical composition comprises
 xylometazoline-HCl 0.10 hydroxypropyl Me cellulose 0.75, disodium
 EDTA 0.50, NaCl 0.38, and phosphate buffer to 100% (with pH 5-7), and the
 relative viscosity of the solution is 70.00-90.00, and the relative adhesive
 capacity is 105.0-120.0%. The composition can be applied easily and has a
 prolonged contact to the mucosal surface. The composition provides a good
 therapeutic effect at lower doses and has a good bioavailability.

ACCESSION NUMBER: 2003:678638 CAPLUS
 DOCUMENT NUMBER: 139:202515
 TITLE: Liquid mucoadhesive pharmaceutical
 compositions containing xylometazoline
 INVENTOR(S): Tzachev, Christo Tzachev; Popov, Todor Alexandrov
 PATENT ASSIGNEE(S): Bio Therapeutics, Bulg.
 SOURCE: PCT Int. Appl., 25 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003070213	A2	20030828	WO 2003-BG5	20030218
WO 2003070213	A3	20040325		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
BG 106430	A	20030829	BG 2002-106430	20020222
AU 2003205460	A1	20030909	AU 2003-205460	20030218
GB 2423711	A1	20060906	GB 2005-21708	20051024
PRIORITY APPLN. INFO.:			BG 2002-106430	A 20020222
			WO 2003-BG5	W 20030218

L4 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 1
 TI Comparison of the clinical efficacy of standard and mucoadhesive
 -based nasal decongestants
 AB Aims: To compare two xylometazoline 0.1% preps.: reference com.
 solution (RS) and test mucoadhesive solution (TS). Methods: Twenty
 subjects with perennial allergic rhinitis (age range 18-69 yr, 5 atopic, 7
 men) applied randomly in turn TS and RS for 5 days in a double-blind
 crossover clin. trial. Nasal airflow resistance (NAR),
 nasal symptoms (6 grade scoring), frequency of application
 (times/day), and side-effects were recorded. Results: Mean ratio TS/RS of
 areas under the resistance/time curves for NAR $\pm 90\%$ CI: 3.56 ± 0.92 ;
 mean TS-RS differences $\pm 5\%$ CI: for congestion: -1.12 ± 0.59 , for
 frequency of application: -1.10 ± 0.20 . Subjects experienced fewer
 side-effects with TS. Conclusions: A mucoadhesive solution with a
 decongestant had a greater and longer lasting effect on nasal
 congestion in subjects with perennial allergic rhinitis than the com.

available decongestant solution It also caused fewer side effects.

ACCESSION NUMBER: 2002:111820 CAPLUS
DOCUMENT NUMBER: 136:303854
TITLE: Comparison of the clinical efficacy of standard and
mucoadhesive-based nasal decongestants
AUTHOR(S): Tzachev, Christo T.; Mandajieva, Mariana; Minkov,
Evgeniy H.; Popov, Todor A.
CORPORATE SOURCE: Department of Industrial Pharmacy, Faculty of
Pharmacy, Medical University, Sofia, Bulg.
SOURCE: British Journal of Clinical Pharmacology (2002),
53(1), 107-109
CODEN: BCPHBM; ISSN: 0306-5251
PUBLISHER: Blackwell Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT